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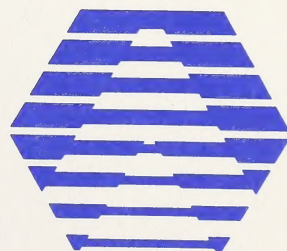
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# The Alberta Apprenticeship and Industry Training Board

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**1992-93  
Annual Report**



*Excellence Through  
Training and Experience*



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July 1993

The Honourable Jack Ady  
Minister  
Advanced Education and Career Development  
404 Legislature Building,  
Edmonton, Alberta  
T5K 2B6

Sir:

I am pleased to present you the first annual report of the Apprenticeship and Industry Training Board covering operations for the period of January 1, 1992 to March 31, 1993. This report spans a fifteen month period in order to cover the Board's operations from its inception on January 1, 1992 to the end of the past fiscal year. Future annual reports of the Board will detail operations on the regular fiscal year basis of April 1 to March 31.

Respectfully submitted,

Jake Thygesen  
Chairman  
Alberta Apprenticeship and Industry Training Board





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## A Message from the Board Chairman

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The mandate of the Alberta Apprenticeship and Industry Training Board is to provide advice and recommendations to the Minister of Advanced Education and Career Development on the supply of and demand for skilled labour in Alberta and on issues relating to the training and certification of people in the trades and occupations.

The global economic environment of rapid and constant labour market changes in which we live will make our efforts to fulfill this mandate an ongoing and challenging task. Fortunately, I believe the variety of business, labour, trades and occupational backgrounds of the Board members will go a long way to helping us meet this challenge. Ultimately, however, I believe it is the commitment by all Board members to work cooperatively together and with all other stakeholders which will prove to be the key to an adaptable, efficient and effectively functioning apprenticeship and industry training system in Alberta.

On behalf of the Board, I therefore present this first annual report of the Alberta Apprenticeship and Industry Training Board with both pride in our accomplishments to date and an awareness of the exciting challenges ahead.

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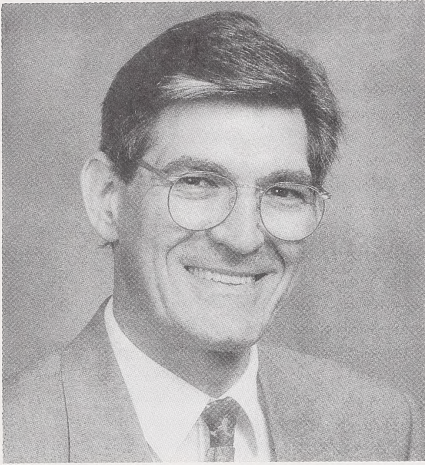




J.T. (JAKE) THYGESEN

Jake Thygesen is the current Chairman of the Alberta Apprenticeship and Industry Training Board. He was a member of the Board for over seven years before accepting the chairmanship in October, 1992. In addition to the Board, Mr. Thygesen has been involved in various other organizations which focus on the importance of developing skilled tradespeople. Among these is the Canadian Labour Force Development Board (CLFDB), of which he was a founding member. Mr. Thygesen served on the CLFDB from its inception until March of 1993. Active in construction association work for most of his adult life, Jake Thygesen is past Chairman of the Canadian Construction Association (CCA) He is also a past Chairman of the Trade Contractors Section of the CCA and of the Alberta Construction Association.

Born and raised in Denmark, Jake Thygesen emigrated to Canada in 1951. After a brief career in farming, he turned to the construction industry and after apprenticing became a Journeyman Plumber and Gasfitter. Since his apprenticeship he has worked for Fuller and Knowles Inc. and its companies out of Edmonton, eventually becoming the Chairman of the Board. Mr. Thygesen is now retired from active business. Jake Thygesen's community involvement includes over thirty years of involvement with the Knights of Columbus. His involvement in the community has also brought him to sit as a member of the Alberta Lien Act Task Force and as a member of the Board of Governors of Newman Theological College in Edmonton. Mr. Thygesen is also a past President of the South Edmonton Rotary Club.



MARIUS (MAC) J.V. BOURASSA

Mac Bourassa was appointed as an employer representative to the Alberta Apprenticeship and Industry Training Board in January 1993. Mr. Bourassa has close to thirty years of experience in the Building Construction industry as a project manager and superintendent. He is currently a Vice President with PCL Construction with responsibility for the Edmonton office and the company's building operations in Northern Alberta. Mac Bourassa is also involved in a variety of construction related associations and committees. He is currently the Alberta Construction Association's Apprenticeship Committee Chairman. He is also Co-Chairman of the Merit Contractors Association Legislation Committee and a director on the Edmonton Downtown Development Corporation. Mr. Bourassa also sits on the advisory committee for NAIT's Civil Engineering Technology program. Mac Bourassa has been on the executive of several construction related boards and associations in the past. These include the Calgary Contractors Association, the Saskatchewan Contractors Association, the Saskatchewan Construction Labour Relations Association; the City of Regina Parks and Recreation Board and the General Contractors Association of Saskatchewan. He was also an advisory committee member for the University of Calgary's Construction Management Development Program.

Mr. Bourassa holds an Interprovincial Journeyman Carpenter certificate and a diploma in Architectural Technology. He has also completed numerous other education and training programs, including the Banff Centre's Executive Development Program.





CAL W. BROADHURST

Cal Broadhurst was appointed to the Board in July 1991 as a representative for employees in the designated trades. Prior to his appointment to the Board Mr. Broadhurst was a Provincial and Local Apprenticeship Committee member. Cal Broadhurst's wide ranging career has included positions as a Training Instructor, Millwright, Welder and Recreation Supervisor. As a Training Instructor, he taught courses throughout Canada and internationally in Preventative Industrial Maintenance, Pumps and Compressors, Alignments, Vibration Analysis, Welding and Rigging . He has also put his qualifications of Alberta Journeyman Millwright (with an Interprovincial Red Seal) and Welder (First Class) to use in a variety of mechanical installations and equipment maintenance related positions. Cal Broadhurst has also worked as a Recreation Supervisor for the City of Calgary. Mr. Broadhurst has supplemented his Millwright apprenticeship training (through SAIT and NAIT) with a variety of other Millwright and Welding related courses as well as courses in mini and micro computers and First Aid. Mr. Broadhurst attended Boise State University, Boise, Idaho and the University of Calgary and received a degree with a major in Recreation and a minor in Psychology.

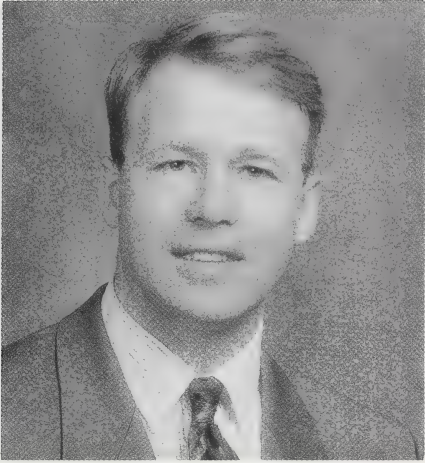
Cal Broadhurst has held positions of President for the University of Calgary's 5th Quarter Alumni Association, Union Apprenticeship Chairman, Board member on the Cochrane and District Recreation Board, and Director of the Wild Horse Racers Association. He is involved in a variety of sports ranging from flag football, racquetball and rugby to steer wrestling, wild horse racing and wild cow milking. He is also actively involved in fishing, big game hunting, snow shoeing, weightlifting and golf. Cal Broadhurst's hobbies include involvement with the Gun Fighters Western Club, metal sculpting, woodworking, plants, arts and crafts, and gourmet cooking.



JOHN BRIEGEL

John Briegel was appointed to the Board in July 1991 as a representative for employees in the designated trades. Mr. Briegel has worked as a Business Manager with the International Brotherhood of Electrical Workers (I.B.E.W.) since the fall of 1992. He spent fourteen years as Assistant Business Manager with Local 254 of the I.B.E.W. prior to assuming his current position. During all of this time Mr. Briegel was active in the Electrician trade apprenticeship program, both as a Provincial Apprenticeship Committee member and a Local Apprenticeship Committee member in Calgary. In addition to being an Apprenticeship and Industry Training Board member, John Briegel is an executive board member of the Alberta & NWT (District of McKenzie) Building and Construction Trades Council as well as a former officer with the Southern Alberta Building Trades Council. Mr. Briegel is also the Secretary of the Joint Education Committee of the Electrical Industry Education Trust Fund of Southern Alberta and as such is responsible for developing, presenting and coordinating various continuing education programs for the unionized electrical industry in southern Alberta. John Briegel and his family live in Calgary.





JAMES (JIM) COURTNEY

Jim Courtney represents employers in the designated trades on the Alberta Apprenticeship and Industry Training Board. Mr. Courtney has been an active board member serving since July of 1991. In addition to participating in board meetings he serves on various board subcommittees and monitors Provincial Apprenticeship Committee meetings. Mr. Courtney has apprenticed and obtained Alberta Trade Certificates as a Welder, Machinist and Tool and Die Maker. The Apprenticeship system is important to Jim Courtney as he owns and is President of Courtney Berg Industries, a metal fabricating business which employs Journeymen and indentured apprentices. As well as serving on the Alberta Apprenticeship and Industry Training Board, Jim Courtney is on the Board of Directors of the Prairie Implement Manufacturers Association.

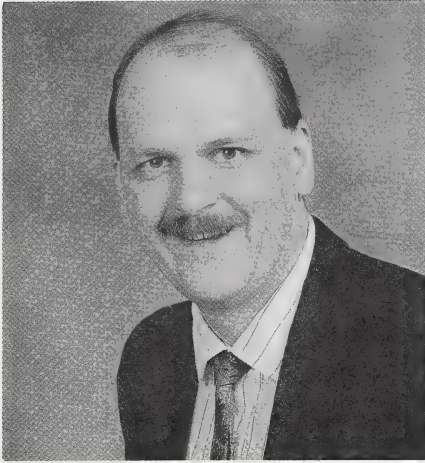
Mr. Courtney makes his home in Linden, Alberta with his wife and three sons. He has a strong commitment to his family and community.



CAROL ANN GENDREAU

Carol Gendreau has represented employers in the designated trades on the Alberta Apprenticeship and Industry Training Board since October 1990. Ms. Gendreau served on both Local and Provincial Apprenticeship Committees for the Hairstylist trade for over ten years prior to becoming a Board member. Carol Gendreau also served on the Hairstylists interprovincial qualification sub-committee and the sub-committee to provide feedback on the Apprenticeship and Industry Training Act. She also serves as a member of the Hair Arts and Sciences judging program.

Ms. Gendreau is a Hairstylist by trade. Having come through the apprenticeship system, Carol Gendreau is a strong promoter of apprenticeship and has always employed at least one apprentice. As an active member of the community, Ms. Gendreau also served on the Canadian Mental Health Association and the Fort McMurray Downtown Business Revitalization program. Carol Gendreau was born in Montreal. She is the mother of three children and a proud grandmother of four grandchildren.



MARKUS JENNI

Markus Jenni was appointed to the Alberta Apprenticeship and Industry Training Board in January 1993. He represents employees in occupations other than the designated trades on the Board. Markus Jenni's career in the culinary field started in 1973 when he signed up as an apprentice cook in Basel, Switzerland. After successful completion of his apprenticeship, Mr. Jenni worked as a cook and chef in various hotels and resorts in Switzerland before moving to Montreal in 1981 to a position of Chef and subsequently to a position of Banquet Chef overseeing the production for all 22 restaurants at Montreal's Queen Elizabeth Hotel. Mr. Jenni has worked as an Executive Chef for the Hilton Hotels chain since 1984.

Markus Jenni has been training apprentices for the past eight years and is currently a judge for the practical exams for Cook apprentices. He is also an examiner for the Certified Chef De Cuisine course of the Canadian Culinary Institute and a member of the NAIT advisory committee. He has also held positions of Education Chairman for the local branch of the Canadian Federation of Chefs De Cuisine and Board member of the Alberta Tourism Education Council (ATEC). Markus Jenni's involvement in culinary competitions across Canada, the United States and Europe has earned him several gold and silver medals. He has been a member of the team representing Alberta at the Culinary Olympics since 1988, and was chosen as Manager of this team for the 1992 Culinary Olympics in Frankfurt, Germany. Markus Jenni, his wife Katharina and two children Noamie and Dominik have lived in Edmonton since 1988. He is currently the Executive Chef for the Edmonton Hilton Hotel.



ALICE MCKAY

Alice McKay was appointed to the Alberta Apprenticeship and Industry Training Board in January 1993. She represents employees in occupations other than the designated trades on the Board. In addition to being a member of the Board, Mrs. McKay is involved in a variety of other committees and community related activities. She has been an active member of her local community association since 1961 and has also been involved in the Rural Crime Watch program for the past ten years. Mrs. McKay is currently President of the local chapter of Rural Crime Watch. She has also been involved with the Victim's Assistance Program for over a year and has been a member of the Social Assistance Appeal Board since October 1992. Alice McKay has worked for the County of Grande Prairie as a school bus driver since 1970 and has been employed as a matron with the Beaverlodge RCMP detachment since 1985. Together with her husband, she runs a farm and operates a local road maintenance business.

Alice McKay was born and raised in Wetaskiwin, Alberta and moved with her husband to the Peace River country in 1961. She and her husband have two children and one grandchild.





A. MCLEAN MILLAR

Mac Millar was appointed to the Board in July 1991 to represent employers in occupations other than the designated trades. Mr. Millar has had a varied career in the cement and concrete manufacturing industry, and currently directs the vehicle and mobile equipment maintenance operations for the City of Calgary. Mac Millar is a strong proponent of a professional and organized approach to plant, equipment and building maintenance. As such, he recognizes the necessity of a well trained work force, and believes the Alberta apprenticeship program supports this objective.

Mac Millar was born in Scotland and attended school in Edinburgh. He graduated from Cambridge University with honours in Mechanical Sciences, and obtained a diploma in Business Management from Brunel University in London, England, before coming to coming to Canada in 1968.



RICHARD RYBIAK

Richard Rybiak was appointed to the Alberta Apprenticeship and Industry Training Board in January 1993. He represents employers in occupations other than the designated trades on the Board. Mr. Rybiak has twenty years of experience as a Human Resource generalist in the Steel, Oil and Gas, and Forest Products industries across Canada. In addition to his involvement with the Board, Mr. Rybiak is a member of the Alberta Forest Industry Training Council. He was also a Vice-Chairman of the Canadian Manufacturer's Association. Richard Rybiak has frequently experienced the challenge of meeting industry's need for skilled workers, and is pleased to participate in providing for the development of a highly trained workforce in the province.

Mr. Rybiak graduated with a Major in English Literature from Brock University, St. Catharines, Ontario. He, his wife Wieske and two children Kristin and Ian have resided in Alberta since 1986.



JACK STRAUSE

Jack Strause represents employees in the designated trades on the Alberta Apprenticeship and Industry Training Board. He was appointed to the Board in July 1991 on the strength of nominations by both the Edmonton Association of Sheet Metal and Air Conditioning Contractors and the Independent Air Handlers Employees Association. Active in construction association work during most of his twenty year career in the sheet metal construction industry, Mr. Strause is a past President of the Edmonton Association of Sheet Metal and Air Conditioning Contractors and a past President of the Sheet Metal Contractors Association of Alberta.

Mr. Strause currently works as an estimator and project co-ordinator for Alpine Heating Ltd. of Edmonton. He holds an Interprovincial Journeyman Certificate in the Sheet Metal Mechanic trade acquired through formal training at the Northern Alberta Institute of Technology. Following his fourth year training, Jack Strause participated in Hamilton as a provincial finalist at the Canadian Sheet Metal Competition.



RON TOWNSEND

Ron Townsend was appointed to the Board in October 1990 to represent the interests of employees in the designated trades. Mr. Townsend was an employee representative on the Steamfitter-Pipefitter LACs and PACs for six years prior to his appointment to the Board. Mr. Townsend has had over twenty years of experience in the delivery and administration of journeyman and apprentice training. He is currently a Training Coordinator with the United Association of Journeyman and Apprentices of the Plumbing and Pipefitting Industry of the United States and Canada. He is also an administrator with the Edmonton Pipe Trades Joint Apprenticeship Training Committee. Ron Townsend has worked as a construction foreman and superintendent, a Pipe Trades instructor at NAIT, and as a Training Coordinator with Occupational Health and Safety Inspection Branch of the Department of Labour.

Mr. Townsend compliments his apprenticeship activities with positions of Board Chairman for the Board for the Metal Fabricating Health and Safety Association and President of the Western Apprenticeship Coordinators Association. He is also active on the boards of Skills Canada (Alberta) and the Conference Society of Alberta. Ron Townsend believes strongly in the Apprenticeship culture and is an employee advocate for the formation of joint employer/employee committees in training and occupational safety.

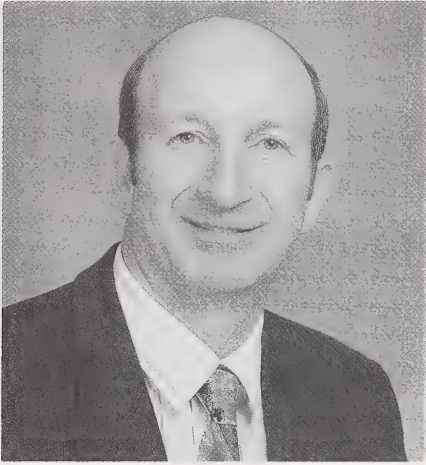




DON WATSON

Don Watson was appointed as an employer representative to the Board in October 1990 and served as a member until January 1993. He was also a member of the Board's Industry Standards Subcommittee. Mr. Watson's keen interest in the Alberta apprenticeship system has been reflected in his active involvement on apprenticeship related committees for over 25 years. In addition to participation on various Provincial and Local Apprenticeship Committees, he has been actively involved on various construction industry apprenticeship committees. These include the Mechanical Contractor's Association (MCA) Apprenticeship Funding committee; the Alberta Construction Association's Task Force on Apprenticeship; and the Calgary Construction Association's Ad Hoc Apprenticeship Committee. Don Watson is also a past provincial president of MCA of Alberta, and past president of the Southern District Board of Directors of MCA.

A native Calgarian, Don Watson was part owner, vice president and secretary treasurer of Trotter & Morton Ltd., a mechanical contracting company established in 1927 and owned by the Watson family for 38 years. A special mechanical contractors apprenticeship award is presented annually in the name of Bill Watson, Don's father. Three generation of Watsons have served a complete apprenticeship; Don's father, Bill, Don and his two sons, Neil (plumber) and Blair (electrician) who are presently working at their trades.



ALLAN (AL) WHEELER

Al Wheeler represents employers in the designated trades on the Alberta Apprenticeship and Industry Training Board. He is a past Presiding Officer of the Board and has been an active Board member since 1987. In addition to participation in Board meetings, Mr. Wheeler monitors Provincial Apprenticeship Committee meetings and serves on various Board subcommittees, including the 50th Anniversary celebrations subcommittee. Born and educated in Ontario, Mr. Wheeler worked in the mining and logging industries and obtained his interprovincial tickets as a Motor Mechanic and a Heavy Duty Mechanic while in Ontario. He moved to Alberta and purchased a farm south of Mayerthorpe in 1979. Mr. Wheeler currently operates his own business from home.

Being a tradesperson himself, Al Wheeler is very interested in all aspects of developing skilled tradespeople. Mr. Wheeler's community involvement includes that of Boy Scouts leader and equipment manager for minor hockey. Al Wheeler is married with two sons, both of whom are indentured apprentice Motor Mechanics.

## The Structure of the Board

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The Board consists of a presiding officer, four members representing employers in designated trades and a further four members representing employees in designated trades. In addition there are two members representing employers in occupations other than designated trades and two members representing employees in occupations other than designated trades. The Executive Director of Apprenticeship and Industry Training is also the Executive Secretary for the Board.

The Board has established various standing and ad hoc subcommittees, each of which is responsible for a particular area of the Board's overall mandate. The Board currently has five subcommittees. The title and mandate of each is as follows.

<b>Sub-committee Title</b>	<b>Sub-committee Mandate</b>
Labour Market Issues	This sub-committee deals with the Board's advisory responsibilities to the Minister on the needs of the Alberta labour market and all matters relating to the training and certification of persons in designated trades and occupations.
Industry Standards	Regulations, policies and guidelines as required of the Board by the Apprenticeship and Industry Training Act are developed by this sub-committee.
Board Operations	This sub-committee focuses on the Board's various operational responsibilities. This includes the development of Board bylaws, annual reports, etc.
PAC and LAC Nominations	This sub-committee reviews all nominations to the PACs and LACs and makes first and second choice recommendations to the Board for each vacancy.
50th Anniversary	This sub-committee is responsible for organizing activities and events to celebrate the 50th anniversary of Alberta's apprenticeship and industry training system in 1994.

# The A&IT Board and the Apprenticeship System

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## New legislation and a new Board

New legislation governing Alberta's apprenticeship system came into effect on January 1, 1992. One of the major provisions of the new *Apprenticeship and Industry Training Act* was replacement of the old Alberta Apprenticeship and Trade Certification Board with a new board called the Alberta Apprenticeship and Industry Training Board (A&IT Board).

The A&IT Board has a significantly wider mandate than before. The Board is now responsible for designated occupations as well as designated trades. The new Act also gives the Board the responsibility for setting the training and certification standards for designated occupations and designated trades as well as the authority to make its own regulations. Because the A&IT Board has a broader mandate than the previous Board, the required background for the Board members has also changed. Board members now have to be knowledgeable of training in the trades as well as the occupations in general and must also be aware of the needs of the Alberta labour market for skilled and trained persons.

What has not changed, however, is the traditional partnership between Industry and Government. The Board continues its ongoing efforts to maintain a cooperative and productive working relationship between itself, the Provincial Apprenticeship Committees (PACs) the Local Apprenticeship Committees (LACs) and Alberta Advanced Education and Career Development.

## The Board's Vision and Mission

The new, broader mandate of the Alberta Apprenticeship and Industry Training Board is reflected in its Vision and Mission statements. The **vision** of the A&IT Board is that *"Alberta's apprenticeship and industry training system will reflect industry's commitment to supporting and actively promoting a training system which is efficient, effective, and meets the needs of industry for a highly skilled, motivated and competitive workforce."* The Board's Mission Statement complements its vision. The **mission** of the Alberta Apprenticeship and Industry Training Board is *"to facilitate quality and excellence in Alberta's workforce by encouraging the continued growth of apprenticeship and other occupational training based upon clearly established and maintained standards."*



## **Functions of the Alberta Apprenticeship and Industry Training Board**

The Board advises the Minister of Advanced Education and Career Development on all matters relating to the training and certification of persons in designated trades and occupations and the needs of the Alberta labour market for skilled and trained persons. Other specific functions of the Board include:

- reviewing requests for designation or re-designation of trades and occupations and making recommendations to the Minister;
- recognizing training and work experience programs as defined under the Act;
- appointing local and provincial apprenticeship committee members;
- monitoring activities of provincial apprenticeship committees; and
- developing policies for recognizing training programs as equivalent to those provided under the Apprenticeship and Industry Training Act.
- making regulations, with the approval of the Minister, respecting designated trades and designated occupations.

## **The Provincial Apprenticeship Committees**

In making policy decisions and carrying out its functions, the Board draws upon the specific expertise of 52 Provincial Apprenticeship Committees (PACs), one for each designated trade. Each PAC is responsible for monitoring the Local Apprenticeship Committees (LACs) in its particular trade and for making recommendations to the Board on training/certification standards and courses and exams relating to its trade. PACs also provide recommendations to the Board on designation of trades and occupations, regulations under the Act, and any other matters relating to apprenticeship and certification. Additionally, the PACs have authority under the Act to determine whether technical courses and programs are equivalent to those provided under the Act. In this task, the PACs are guided by policies set by the A&IT Board. Finally, the PACs are authorized under the Act to become involved in resolution of employer/employee disputes arising from matters under the Act.

Membership for each trade's PAC includes representatives from each LAC for that trade. The PAC membership is made up of an equal number of employer and employee representatives. The Minister may also appoint other technical and special advisors to the PACs to assist them in carrying out their duties.

## **The Local Apprenticeship Committees**

Local Apprenticeship Committees (LACs) are set up by the A&IT Board in regions of the province where activity relating to a specific trade is considered substantial and industry participation is possible. LACs monitor apprenticeship programs and the progress of apprentices in their particular area and provide recommendations to the PAC on matters relating to apprenticeship and certification. LACs also make recommendations to the Board on appointments to the PAC of their particular trade. Like the PACs, the LACs are also authorized under the Act to become involved in resolution of employer/employee disputes arising from matters under the Act.

Industry representatives to the LACs and the PACs are nominated for membership by such trade organizations as employer and employee associations and sectoral groups representing both labour and employers. The current LAC network consists of approximately 800 members, representing industry in 52 designated trades.

## **The Apprenticeship and Industry Training Division**

The Apprenticeship and Industry Training Division of Alberta Advanced Education and Career Development is responsible for policy and program development for Alberta's apprenticeship system. This division also provides the general administrative support needed for efficient and effective functioning of the A&IT Board and of the apprenticeship system as a whole.

## **The Regional Services Division**

The Regional Services Division is the delivery arm for the department's programs and services. This Division works closely with the A&IT Division as well as the other areas of the Department to facilitate an efficient and effective delivery of apprenticeship and other departmental services to all Albertans.

**The Alberta Apprenticeship and Industry Training Board is guided by approximately 800 industry representatives from all areas of Alberta as well as other technical and special advisors which the Minister may provide the PACs to assist them in carrying out their duties. In addition, the Board has the authority to call public meetings to broaden its input even further on matters relating to its responsibilities under the Act. And the Board is assisted by the A&IT Division and the Regional Services Division of Alberta Advanced Education and Career Development to enable it to carry out its role in an efficient and effective manner.**

# Local Apprenticeship Committees in Alberta



## Board Activities, Initiatives and Issues

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### Board Meetings

The Board held eleven meetings during the period of January 1, 1992 to March 31, 1993. Meetings were held on January 23rd, March 5th, May 28th, June 24th, September 21st, October 22nd, November 26th and December 17th of 1992. The Board also met on January 29th, February 25th and 26th and March 25th of 1993.

### Labour Market Needs and Training and Certification Issues

One of the Board's primary responsibilities is to advise the Minister on issues relating to the needs of the Alberta labour market for skilled and trained persons and also on issues relating to the training and certification of persons in the trades and occupations. The following are highlights from Board activities related to these two areas of responsibility.

- A survey of LAC members showed a significant majority opposed tuition fees for apprentices. The Board went on record as opposing implementation of tuition fees for apprentices until all stakeholders have been consulted and all related issues are fully understood. An Advanced Education and Career Development department task force has been set up to make recommendations on this matter.
- The Board supported a proposal for all journeyman updating courses delivered by public post-secondary institutions to be offered on a full cost-recovery basis starting with the 1993-94 academic year.
- The Board discussed and endorsed a set of interim operational guidelines for administration of section 24 of the Apprenticeship and Industry Training Act. This section deals with factory mass production, in-plant assembly operations and in-plant processing or operations supporting in-plant processing of natural resources.
- The Board expressed its support for Designated Occupations subject to ensuring that designated occupations training does not conflict with existing apprenticeship training or curricula. At its December 17th meeting the Board also supported a six-month trial period for proposed operational procedures and guidelines to handle designation of occupations.



- The Board approved a motion to invite anyone in favor of setting up a Joint Training Committee (JTC) to submit a formal application to the Board. Such an application will be treated as a test case to guide the Board in establishing the types of information needed for formally addressing the issue of JTCs. Since there are conflicting opinions on this matter, the Board is committed to a thorough exploration of all aspects of this issue before making a recommendation to the Minister on JTCs.

## **Recognizing Training and Work Experience Programs**

The Board is also responsible for **recognizing training programs** referred to in the Apprenticeship and Industry Training Act. Further to this responsibility, *Section 15(2)* of the *Apprenticeship Program and Certificate Recognition Regulation* gives the Board the authority to recognize formal instruction and on-the-job training of a designated apprenticeship program on the recommendation of the applicable PAC. Following are highlights of activities related to this responsibility.

- The Board recognized the training programs submitted for approval by the Elevator Constructor, Tool and Die Maker, and Plasterer trade PACs.
- The Board supported the decision by the Plumber, Steamfitter-Pipefitter, Gasfitter, and Sprinkler Systems Installer PACs to grant 1500 hours of work experience credit towards the first year of apprenticeship for a Journeyman in any of these trades wishing to become certified in any of the other three pipe trades.
- The Landscape Gardener course outline with specified revisions was accepted by the Board. Revisions to course outlines for the Sheet Metal Worker, Ironworker, Cook, Power Lineman, and Insulator trades were also accepted by the Board.

## Designation of Trades and Occupations

The following are highlights of Board activities related to its responsibility for **designation and redesignation of trades and occupations**.

- The A&IT Board reviewed applications from the Millwright and Sprinkler Systems Installer trades for redesignation from Optional to Compulsory status and decided that they both had sufficient merit to proceed with public hearings. The Board therefore made a recommendation to this effect to the Minister.
- For the same reasons, the Board also made a recommendation to the Minister to proceed with public hearings as the next step in the process towards possible certification of the Scaffolder occupation as a designated trade.
- The Board discussed the level of industry support for the Projectionist trade and expressed its intent to treat the trade's training curriculum as a priority item once there is clear a indication of support by both employers and employees for continued designation of this trade.

## Provincial and Local Apprenticeship Committee Related Activities

The Board's responsibilities also extend to **monitoring Provincial Apprenticeship Committee (PAC) activities and appointing members** to such committees. Additionally, the Board is responsible for **establishing Provincial Apprenticeship Committees and Local Apprenticeship Committees (LACs) and approving LAC and PAC bylaws**. Following are highlights of activities related to these areas of responsibility.

- Over the course of 1992-93, the Board appointed over three hundred individuals to both LACs and PACs.
- Increasing numbers of employers in the telecommunication industry within the Calgary area has led to an increase in the number of Communication Electrician apprentices being signed up. Given the increased activity of this trade in the area, the Board approved establishment of a Communication Electrician LAC in Calgary.
- The Board approved model PAC and LAC bylaws which could be used to guide the committees in devising their own sets of bylaws for approval by the Board. The Board subsequently approved bylaws for the Ironworker PAC. Also approved were recommended LAC bylaws from the Power System Electrician (Medicine Hat), Motor Mechanic (Medicine Hat), Appliance Serviceman (Edmonton), and Welder (Grande Prairie) LACs .

## **Policies for Recognition of Equivalent Training Programs**

The Board's responsibilities also extend to developing policies within which training programs can be recognized by the PACs as equivalent to training provided under the Apprenticeship and Industry Training Act. In this regard, the Board advised the PACs that it is in the process of developing appropriate policies and that the PACs need to ensure recognition granted to various training programs is compatible with such policies.

## **50th Anniversary Celebration**

The Board is involved in organizing events to celebrate the 50th anniversary of Alberta's apprenticeship training system. One of the main events planned for the 1994 anniversary celebrations is an international symposium on apprenticeship training to be held in Edmonton in mid May, 1994.



## Planning for the Future

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It is likely that the year ahead (April 1, 1993 to March 31, 1994) will see the Alberta Apprenticeship and Industry Training Board continue operating in an atmosphere of government fiscal restraint, changing labour market conditions and evolving political conditions on both the provincial and federal level. The Board's challenge will therefore be to maintain its commitment to new approaches and ideas in all areas of its mandate in the face of these continued economic and political challenges while also recognizing and building upon the historical strengths and traditions of Alberta's apprenticeship system.

The partnership between industry and government has been a primary feature of Alberta's apprenticeship system since its inception. This partnership has been a key to maintaining a system which meets industry's needs while also ensuring high standards of training and certification throughout the system. The Board is committed to maintaining and developing partnerships between all current and potential stakeholders so that high standards of training and certification will continue to be a defining characteristic of Alberta's apprenticeship and industry training system.

The Board also recognizes that the longer term growth of Alberta's apprenticeship and industry training system depends upon increasing public awareness of the system and an increased level of prestige and recognition for designated trades and designated occupations. Increasing public awareness and knowledge of the apprenticeship and industry training system will therefore be another priority of the Board over the next year and the years ahead.



**Table 1****Trades in Which New Apprentice Registrations Increased During 1992**

TRADES	NEW APPRENTICES IN 1991	NEW APPRENTICES IN 1992	PERCENT GROWTH
IRONWORKER	11	24	118%
COMMUNICATION ELECTRICIAN	19	37	95%
SPRINKLER SYSTEMS INSTALLER	19	29	53%
BOILERMAKER	21	31	48%
ROOFER	26	38	46%
TRANSPORT REFRIGERATION MECHANIC	5	7	40%
ELECTRICIAL REWIND MECHANIC	14	19	36%
INSULATOR	67	88	31%
RECREATION VEHICLE MECHANIC	17	21	24%
GLASSWORKER	30	37	23%
APPLIANCE SERVICEMAN	27	30	11%
PLUMBER	278	303	9%
CARPENTER	394	425	8%
FLOORCOVERING MECHANIC	27	29	7%
AUTOBODY MECHANIC	154	164	6%
AGRICULTURAL MECHANIC	18	19	6%
CRANE AND HOISTING OPERATOR	51	53	4%
LANDSCAPE GARDENER	96	98	2%

**NOTES**

1. Most Hairstylist-Barber and Hairstylist-Beautician apprentices transferred to the new Hairstylist trade. There were 561 New Apprenticeship Registrations in the Hairstylist trade during 1992.
2. Gasfitter - 2nd Class had 94 New Apprenticeship Registrations in 1992.



**Table 2****Trades in Which New Apprentice Registrations Decreased During 1992**

TRADES	NEW APPRENTICES IN 1991	NEW APPRENTICES IN 1992	PERCENT DECLINE
ELECTRICIAN	630	574	-9%
SHEETMETAL WORKER	115	104	-10%
ELECTRONIC TECHNICIAN	37	33	-11%
MILLWRIGHT	184	164	-11%
LATHER-INTERIOR SYSTEMS MECHANIC	18	15	-17%
CABINETMAKER	89	72	-19%
BAKER	76	61	-20%
STEAMFITTER-PIPEFITTER	163	129	-21%
PRINTING & GRAPHIC ARTS CRAFTSMAN	47	37	-21%
HEAVY DUTY MECHANIC	423	330	-22%
INSTRUMENT MECHANIC	313	244	-22%
MOTOR MECHANIC	565	433	-23%
WELDER	628	435	-31%
PAINTER AND DECORATOR	42	29	-31%
BRICKLAYER	19	13	-32%
PARTSMAN	178	120	-33%
GASFITTER	63	42	-33%
MACHINIST	103	67	-35%
POWER LINEMAN	77	50	-35%
REFRIGERATION MECHANIC	92	59	-36%
STEEL FABRICATOR	27	17	-37%
SAWFILER	5	3	-40%
MOTORCYCLE MECHANIC	32	18	-44%
WATER WELL DRILLER	17	9	-47%
POWER SYSTEM ELECTRICIAN	40	21	-48%
COOK	339	148	-56%
TILESETTER	15	4	-73%

**Table 3****Provincial Apprenticeship Committee and Instructor Meetings During 1992**

Trade	PAC Meetings	Subcommittee Meetings	Instructor Meetings	Highlights
AGRICULTURAL MECHANIC	1			monitored training and exams
APPLIANCE SERVICEMAN	1	1	1	monitored redesignation transition
AUTO BODY MECHANIC		1	7	revised practical exams
BAKER				initiated review of course outline
BOILERMAKER	1		1	monitored redesignation transition and reviewed course outline
BRICKLAYER	1		1	reviewed course outline
CABINETMAKER			6	monitored trade activity
CARPENTER	1	2	7	revised course outline
CEMENT FINISHER				monitored trade participation, met with industry to reinstate apprenticeship training
COMMUNICATION ELECTRICIAN		8		revised course outline
COOK		11	8	revised 1st, 2nd and 3rd period exams
CRANE AND HOISTING OPERATOR		2	4	revised Boom Truck and Mobile Crane Journeyman exams. Developed and implemented a 3rd period Mobile Crane exam.
ELECTRICIAL REWIND MECHANIC				monitored training and exams
ELECTRICIAN	1		6	revised examinations and continued implementation of CBAT
ELECTRONIC TECHNICIAN		3	2	revised examinations
ELEVATOR CONSTRUCTOR				attended association meeting
FLOORCOVERING MECHANIC		2	1	revised examinations
GASFITTER		1	2	implemented new Journeyman exams
GLASSWORKER	1	5	2	revised course outline and theory and practical exams
HAIRSTYLIST (Barber/Beautician)	1	1	5	monitored trade due to name change
HEAVY DUTY MECHANIC			8	monitored training and exams
INSTRUMENT MECHANIC	1		3	reviewed course outline
INSULATOR	1	2	7	implemented new course outline and revised examinations
IRONWORKER	1			monitored redesignation transition
LANDSCAPE GARDENER		2		revised course outline and all four period exams
LATHER-INTERIOR SYS. MECH.		2	4	revised course outline and 3rd period practical exam
LOCKSMITH		2		reviewed options regarding alternate methods of technical training
MACHINIST	1	3	5	monitored training and examinations
MILLWRIGHT	1		12	monitored training and exams

**Table 3 Continued****Provincial Apprenticeship Committee and Instructor Meetings During 1992**

Trade	PAC Meetings	Subcommittee Meetings	Instructor Meetings	Highlights
MOTORCYCLE MECHANIC	1		1	monitored training and exams
MOTOR MECHANIC		2	13	revised course outline and first period exams
PAINTER AND DECORATOR			1	monitored training and exams
PARTSMAN	1	1	5	revised 1st, 2nd and 3rd period exams
PLASTERER				monitored trade participation
PLUMBER		1	2	exams were updated to reflect new codes
POWER LINEMAN	1		1	revised course outline and examinations
POWER SYSTEM ELECTRICIAN			2	reviewed course outline
PRINT. & GRAPHIC ARTS CRAFTS.		5	1	revised course outline
PROJECTIONIST				monitored dedesignation of trade
RECREATION VEHICLE MECHANIC			2	monitored training and exams
REFRIGERATION AND A.C. MECH.	1	2	2	started course outline revision
ROOFER			2	monitored training and examinations
SAWFLER				monitored training and exams
SHEET METAL WORKER		2	3	implemented new course outline and revised examinations
SPRINKLER SYSTEMS INSTALLER		1	1	implemented new 3rd period exam
STEAMFITTER-PIPEFITTER		3	3	revised 3rd and 4th period and I.P. exams
STEEL FABRICATOR			1	monitored training and examinations
TILESETTER				monitored training and examinations
TOOL AND DIE MAKER		1		monitored trade participation
TRANSPORT REFRIG. MECHANIC			1	started course outline revision
WATER WELL DRILLER				monitored training and examinations
WELDER	1		4	developed and implemented 3-1st period exams
<b>TOTALS</b>	<b>18</b>	<b>66</b>	<b>137</b>	

**NOTES**

1. All Provincial Apprenticeship Committees which met approved new bylaws and elected presiding officers and alternates in compliance with the new Apprenticeship and Industry Training Act.
2. An industry survey was conducted for the proposed Scaffolder trade.
3. The Program Development and Standards Branch drafted new trade regulations which are awaiting legislative counsel review and approval by the appropriate PACs.



**TABLE 4****Total School Attendance By Location - 1987 to 1992  
(Apprenticeship, Upgrading and Updating)**

	1987	1988	1989	1990	1991	1992
Alberta Vocational Centres	74	47	66	49	58	58
Delmar	69	69	81	54	66	69
Fairview	491	531	556	585	675	682
Keyano	604	474	424	463	492	455
Lakeland	556	415	566	619	591	588
Lethbridge	678	700	762	757	699	609
Marvel	97	101	75	81	71	79
Medicine Hat	259	243	238	288	309	291
NAIT	6630	5919	5560	6523	7641	7378
Olds	233	157	225	237	247	272
Red Deer	1092	1019	955	1024	1055	983
SAIT	4057	3559	4075	4318	4275	4176
Westerra	624	621	600	360	N/A	N/A
Employer Trained	27	27	33	41	51	51
British Columbia Institute of Technology (Sawfilers)	0	0	20	14	23	28
<b>TOTAL</b>	<b>15491</b>	<b>13882</b>	<b>14236</b>	<b>15413</b>	<b>16253</b>	<b>15719</b>

**TABLE 5****Analysis of Total School Attendance - 1992**

	APPRENTICES					JOURNEYMAN		
	FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR	TOTAL	UPGRADING	UPDATING	TOTAL
Alberta Vocational Centres	58	0	0	0	58	0	0	0
Delmar	28	41	0	0	69	0	0	0
Fairview	144	182	190	111	627	0	55	55
Keyano	87	88	129	84	388	0	67	67
Lakeland	100	144	138	65	447	24	117	141
Lethbridge	84	105	141	97	427	0	182	182
Marvel	30	49	0	0	79	0	0	0
Medicine Hat	63	37	43	43	186	0	105	105
NAIT	1957	1914	1897	1156	6924	89	365	454
Olds	88	82	58	44	272	0	0	0
Red Deer	288	254	265	135	942	0	41	41
SAIT	1084	1146	1211	721	4162	14	0	14
Employer Trained	13	13	25	0	51	0	0	0
British Columbia Institute of Technology (Sawfilers)	5	6	11	6	28	0	0	0
<b>TOTALS</b>	<b>4029</b>	<b>4061</b>	<b>4108</b>	<b>2462</b>	<b>14660</b>	<b>127</b>	<b>932</b>	<b>1059</b>

**TABLE 6****Apprenticeship Technical Training Attendance By Trade, 1992**

TRADE	FIRST	SECOND	THIRD	FOURTH	TOTAL
AGRICULTURAL MECHANIC	15	18	0	0	33
APPLIANCE SERVICEMAN	21	21	19	0	61
AUTOBODY MECHANIC	125	152	152	0	429
BAKER	43	35	24	0	102
BEAUTICIAN/BARBER (Hairstylist)	58	90	0	0	148
BOILERMAKER	17	8	17	0	42
BRICKLAYER	16	30	25	0	71
CABINETMAKER	59	78	73	49	259
CARPENTER	362	310	288	240	1200
CEMENT FINISHER	0	0	0	0	0
COMMUNICATION ELECTRICIAN	8	15	38	26	87
COOK	155	173	136	0	464
CRANE AND HOISTING OPERATOR	55	0	23	0	78
ELECTRICIAL REWIND MECHANIC	12	10	8	12	42
ELECTRICIAN	510	485	646	495	2136
ELECTRONIC TECHNICIAN	29	0	44	40	113
FLOORCOVERING MECHANIC	19	12	0	0	31
GASFITTER	32	0	33	0	65
GLASSWORKER	26	25	28	22	101
HEAVY DUTY MECHANIC	265	398	365	308	1336
INSTRUMENT MECHANIC	128	139	105	90	462
INSULATOR	51	29	51	0	131
IRONWORKER	14	11	7	0	32
LANDSCAPE GARDENER	73	64	46	34	217
LATHER-INTERIOR SYSTEMS MECHANIC	12	17	6	0	35
LOCKSMITH	0	0	0	0	0
MACHINIST	63	76	86	109	334
MILLWRIGHT	119	126	163	211	619
MOTOR MECHANIC	425	441	469	452	1787
MOTORCYCLE MECHANIC	6	7	17	8	38
PAINTER AND DECORATOR	33	33	36	0	102
PARTSMAN	106	111	166	0	383
PLUMBER	239	265	180	130	814
POWER LINEMAN	69	72	57	0	198
POWER SYSTEM ELECTRICIAN	5	15	20	49	89
PRINTING & GRAPHIC ARTS CRAFTSMAN	20	34	36	20	110
RECREATION VEHICLE MECHANIC	16	6	0	0	22
REFRIGERATION AND A. C. MECHANIC	73	55	42	39	209
ROOFER	18	24	8	0	50
SAWFILER	5	6	11	6	28
SHEETMETAL WORKER	87	106	60	63	316
SPRINKLER SYSTEMS INSTALLER	11	10	20	0	41
STEAMFITTER-PIPEFITTER	124	93	71	59	347
STEEL FABRICATOR	14	11	0	0	25
TILESETTER	0	14	22	0	36
TRANSPORT REFRIGERATION MECHANIC	10	0	8	0	18
WATER WELL DRILLER	13	11	0	0	24
WELDER	468	425	502	0	1395
<b>TOTALS</b>	<b>4029</b>	<b>4061</b>	<b>4108</b>	<b>2462</b>	<b>14660</b>



**TABLE 7****Trade Certificates Issued in 1992**

TRADE	JOURNEYMAN CERTIFICATES	COMPLETION OF APPRENTICESHIP CERTIFICATES	EXCHANGE CERTIFICATES	RED SEALS TO COMPLETING APPRENTICES	EXTENDED RED SEAL PROGRAM	UPDATING CARDS	NUMBER OF CERTS. REPLACED		NUMBER OF POCKET I.D. CARDS REPLACED
							OTHER	EPB/GPB (See Note)	
AGRICULTURAL MECHANIC	25	23					1		
APPLIANCE SERVICEMAN	76	14					10		2
AUTOBODY MECHANIC	151	125	1	105	1		3		6
BAKER	72	32					5		1
BOILERMAKER	37	16		15	5		98		12
BRICKLAYER	16	15		14	0				6
CABINETMAKER	49	46					1		
CABINETMAKER (PRODUCTION)	0								
CARPENTER	246	180	3	115	9	8	4		59
CEMENT FINISHER	7								
COMMUNICATION ELECTRICIAN	134	8					57		8
COOK	232	127	1	125	41		3		17
CRANE AND HOISTING OPERATOR	22	22	1						53
---MOBILE CRANE	0						30		
---TOWER CRANE	0								
---BOOM TRUCK	0								
ELECTRICIAL REWIND MECHANIC	15	8							1
ELECTRICIAN	399	337	9	250	2	94	9	12	137
ELECTRICIAN (SECOND CLASS)	0							1	
ELECTRONIC TECHNICIAN	45	27		22	3	5	2		7
ELEVATOR CONSTRUCTOR	9								2
ELEVATOR CONST. (IMPROVER)	0								
FLOORCOVERING MECHANIC	13	12							
GASFITTER	182	159					2	1	21
GASFITTER (SECOND CLASS)	7		1						17
GLASSWORKER	24	13		13	1		1		1
HAIRSTYLIST	70	69	1	214	31				
HAIRSTYLIST-BARBER	6								1
HAIRSTYLIST-BEAUTICIAN	345	288	4				15		92
HEAVY DUTY MECHANIC	503	304	3	280	29	106	7		69
INSTRUMENT MECHANIC	129	108	1	91	11		1		13
INSULATOR	48	29					1		17
IRONWORKER	33	14					6		15
LANDSCAPE GARDENER	46	33					1		2
LATHER-INTERIOR SYSTEMS MECH	9	8							3
MACHINIST	111	68	2	58	2		1		8
MILLWRIGHT	243	110		106	23		2		48
MOTOR MECHANIC	471	367	11	253	26	267	10		131
MOTORCYCLE MECHANIC	20	9							3
PAINTER AND DECORATOR	60	37	1	37	15		2		7
PARTSMAN	379	313							4
PLASTERER	1	0							
PLUMBER	23	9	3	79	5	8	6		62

**TABLE 7 Continued****Trade Certificates Issued in 1992**

TRADE	JOURNEYMAN CERTIFICATES	COMPLETION OF APPRENTICESHIP CERTIFICATES	EXCHANGE CERTIFICATES	RED SEALS TO COMPLETING APPRENTICES	EXTENDED RED SEAL PROGRAM	UPDATING CARDS	NUMBER OF CERTS. REPLACED		NUMBER OF POCKET LD. CARDS REPLACED
							OTHER	EPB/GPB (See Note)	
POWER LINEMAN	55	35	1	22	4		2		5
POWER SYSTEM ELECTRICIAN	51	45					2		3
PRINTING & GRAPHIC ARTS	43	19							1
---BINDERY II	0								
PROJECTIONIST	11								
RECREATION VEHICLE MECHANIC	35	22							3
REFRIGERATION MECHANIC	73	44	1	42	0		2		9
ROOFER	26	7		8	0				4
SAWFILER	12	4							
SAWFILER (CIRCULAR)	0								
SHEETMETAL WORKER	48	47		45	0	7	1		11
SPRINKLER SYSTEMS INSTALLER	11	9	1	9	2				11
STEAMFITTER-PIPEFITTER	126	32	2	32	18		3		29
STEEL FABRICATOR	43	0					1		14
TILESETTER	7	3							
TOOL AND DIE MAKER	2								
TRANSPORT REFRIGERATION MECH.	5	5							3
WATER WELL DRILLER	8	8							1
WELDER	480	351	14	358	46	152	9		174
WELDER (SECOND CLASS)	0							3	
<b>TOTALS</b>	<b>5294</b>	<b>3561</b>	<b>61</b>	<b>2293</b>	<b>274</b>	<b>647</b>	<b>298</b>	<b>17</b>	<b>1093</b>

**NOTES**

1. Electrical Protection Branch (EPB) and Gas Protection Branch (GPB) certificates were replaced by Journeyman or equivalent certificates as provided under the Apprenticeship and Industry Training Act.
2. 3816 apprentices completed all their work experience and technical training requirements in 1992 and were therefore classified as "Apprentice Graduates" in Table 9. "Completion Of Apprenticeship" certificates processed and issued in 1992, however, totalled 3561.



**TABLE 8****Examinations Administered By Regional Services Division**

TRADE	APPRENTICESHIP EXAMINATIONS								JOURNEYMAN EXAMINATIONS				INTERPROVINCIAL STANDARDS EXAMS	TOTAL
	1st Year		2nd Year		3rd Year		4th Year		Optional Trades		Compulsory Trades			
	Theory	Practical	Theory	Practical	Theory	Practical	Theory	Practical	Theory	Practical	Theory	Practical		
AGRICULTURAL MECH.	19		18						3					40
APPLIANCE SERVICEMAN	33		25		19						149			226
AUTOBODY MECHANIC	145	16	160		153						56	47	195	772
BAKER	49		37		44				39					169
BOILERMAKER	18		8		12						59		21	118
BRICKLAYER	16	1	32		24	24			5	8			24	134
CABINETMAKER	75	11	82		71		48	48	13	20				368
---PRODUCTION									1					1
CARPENTER	422	58	341	3	307	5	250	234	138	164			328	2250
CEMENT FINISHER									20					20
COMMUNICATION ELECTR.	10		10											20
---CONSTRUCTION			6		13		8		41					68
---LINE & STATION			17		16		13		34					80
---SWITCHING									37					37
---TOLL			2		11		2		64					79
COOK	227		192		180				158				271	1028
CRANE & HOIST. OPERATOR														0
---MOBILE CRANE	36				23						85			144
---TOWER CRANE														0
---BOOM TRUCK	26										252			278
ELECTRICAL REWIND MECH.	13		11		9		12		12					57
ELECTRICIAN	595		597		688		542				136		602	3160
---SECOND CLASS														0
ELECTRONIC TECHNICIAN	39		12		44		55				41		63	254
ELEVATOR CONSTRUCTOR											14			14
ELEVAT.CONST. (IMPROVER)														0
FLOORCOVERING MECHANIC	18	18	12	12					2	6				68
GASFITTER	50				40						50			140
---SECOND CLASS											64			64
GLASSWORKER	33	12	25	13	28		22	22	17	23			23	218
HAIRSTYLIST	45		167	159							13	4	383	771
HAIRSTYLIST-BARBER	1			1							20	5		27
HAIRSTYLIST-BEAUTICIAN	54		326	287							85	100		853
HEAVY DUTY MECHANIC	343		436		377		338				397		432	2323
INSTRUMENT MECHANIC	182		160		106		178		68				161	855
INSULATOR	53		33		52				47					185
IRONWORKER	19		11		7						42			79
LANDSCAPE GARDENER	75		45		50		36		34					240
LATHER-INTERIOR SYS. MEC.	12		17		6	6			6					47
LOCKSMITH									8					8
MACHINIST	93		91		85		107		64	68			127	635
MILLWRIGHT	161		136		166		211		248				276	1198
MOTOR MECHANIC	544		505		492		452				242		470	2705
MOTORCYCLE MECHANIC	10		13		18		8				15			64
PAINTER AND DECORATOR	34		35		36				65				53	223

**TABLE 8 Continued****Examinations Administered By Regional Services Division**

TRADE	APPRENTICESHIP EXAMINATIONS								JOURNEYMAN EXAMINATIONS				INTERPROVINCIAL STANDARDS EXAMS	TOTAL
	1st Year		2nd Year		3rd Year		4th Year		Optional Trades		Compulsory Trades			
	Theory	Practical	Theory	Practical	Theory	Practical	Theory	Practical	Theory	Practical	Theory	Practical		
PARTSMAN	143		123		167				110					543
PLASTERER									7					7
PLUMBER	411		273		179		129				38		145	1175
POWER LINEMAN	76		76		58				27				79	316
POWER SYS. ELECTRICIAN	9		16		30		50		5					110
PRINTING & GRAPHIC ARTS	37													37
---PRE-PRESS			15		13		11		16					55
---PRESS			19		27		9		16					71
---BINDERY			6						4					10
---BINDERY II														0
PROJECTIONIST									17					
RECREATION VEHICLE MECHANIC	14		18								17			49
REFRIGERATION MECHANIC	88		65		45		42				40		48	328
ROOFER	26		30		9				24				8	97
SAWFILER									13					13
---CIRCULAR														0
SHEETMETAL WORKER	103	2	129	8	65	2	63	62			3	6	68	511
SPRINKLER SYS. INSTALLER	14		13		20				2				23	72
STEAMFITTER-PIPEFITTER			103		78		60				201		100	542
STEEL FABRICATOR	43		14						75					132
TILESETTER	1		14		22				6					43
TOOL AND DIE MAKER														0
TRANSPORT REFRIGERATION	11		1		8				1					21
WATER WELL DRILLER	14		11						6					31
WELDER	544	104	467	33	517	512					275	239	587	3278
---SECOND CLASS														0
ENTRANCE " A "	855													855
ENTRANCE " B "	337													337
ENTRANCE " C "	420													420
TOTALS	6596	222	4955	516	4315	549	2646	366	1453	289	2294	401	4487	29089

**NOTES**

1. Examination counts do not include all Pre-Employment, Supplemental, Progressive, or Entrance Exams. Including the estimated count of 5000 in these three categories would bring total exams administered in 1992 to approximately 34089.
2. One Equivalency Document was issued in the Hairstylist-Beautician trade in 1992.

**TABLE 9****Regional Services Division Selected Statistical Data - 1992**

	<b>New Apprentices</b>	<b>Apprentice Graduates</b>	<b>Shops Registered</b>	<b>LAC Meetings</b>
<b>CALGARY</b>	1406	1072	3994	55
<b>EDMONTON</b>	2278	1409	3435	43
Fort McMurray	167	128	218	30
Grande Prairie	131	157	592	8
Peace River	95	59	404	5
High Level	17	10	10	N/A
Slave Lake	56	31	97	N/A
<b>NORTH REGION</b>	466	385	1321	43
Bonnyville	133	76	153	2
Hinton	150	126	125	10
Lethbridge	218	201	574	0
Medicine hat	151	99	370	6
Red Deer	401	294	473	14
Vermilion	158	130	363	11
<b>CENTRAL AND SOUTH AREA (CASA)</b>	1211	926	2058	43
<b>ACCESS INITIATIVES</b>	5	15	N/A	N/A
<b>CENTRAL OFFICE</b>	71	N/A	N/A	N/A
<b>INTERPROVINCIAL/ INTERNATIONAL APPRENTICES</b>	7	3	N/A	N/A
<b>Not Classified</b>	1	6	0	0
<b>TOTALS</b>	<b>5445</b>	<b>3816</b>	<b>10808</b>	<b>184</b>

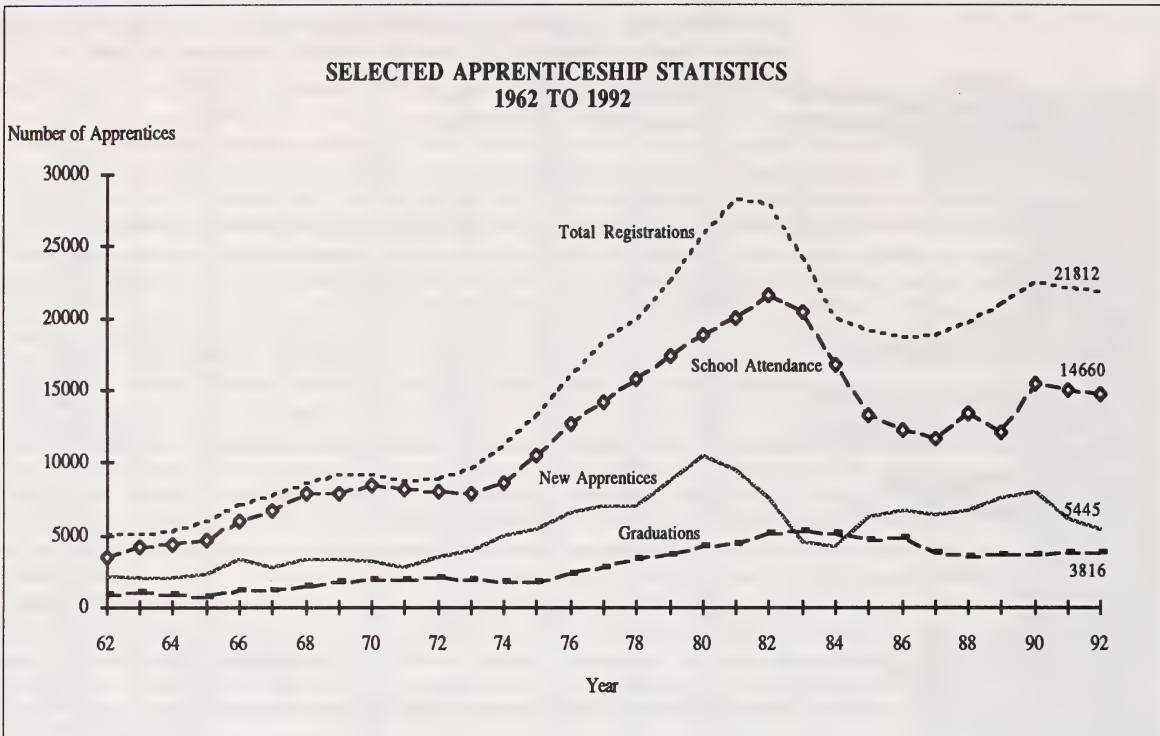


**TABLE 10****APPRENTICE STATISTICS, 1992**

TRADE	TOTAL APPRENTICES REGISTERED TO 31-Dec-1992	NEW APPRENTICES IN 1992	APPRENTICESHIP CANCELLATIONS IN 1992	GRADUATES IN 1992	TOTAL NUMBER OF GRADUATES 1946-1992
AGRICULTURAL MECHANIC	38	19	7	22	391
APPLIANCE SERVICEMAN	82	30	6	18	187
AUTOBODY MECHANIC	671	164	90	141	3896
BAKER	207	61	32	37	537
BOILERMAKER	104	31	6	20	312
BRICKLAYER	83	13	11	14	978
CABINETMAKER	385	72	51	52	558
CARPENTER	1863	425	240	186	6855
CEMENT FINISHER	4	0	3	3	12
COMMUNICATION ELECTRICIAN	124	37	13	20	3630
COOK	930	248	209	143	1897
CRANE & HOISTING OPERATOR	135	53	20	24	64
ELECTRICIAL REWIND MECHANIC	59	19	7	9	167
ELECTRICIAN	2873	574	246	378	13331
ELECTRONIC TECHNICIAN	132	33	21	31	828
FLOORCOVERING MECHANIC	75	29	27	12	251
GASFITTER	145	42	11	41	962
GASFITTER - 2nd CLASS	0	94	0	94	94
GLASSWORKER	139	37	23	16	314
HAIRSTYLIST	1074	561	19	98	98
HAIRSTYLIST-BARBER	0	0	0	0	46
HAIRSTYLIST-BEAUTICIAN	1	7	103	292	4028
HEAVY DUTY MECHANIC	1538	330	107	329	7255
INSTRUMENT MECHANIC	1000	244	73	125	1353
INSULATOR	244	88	40	30	728
IRONWORKER	66	24	2	17	386
LANDSCAPE GARDENER	306	98	70	34	142
LATHER-INTERIOR SYS. MECHANIC	58	15	17	8	253
LOCKSMITH	0	0	0	0	0
MACHINIST	402	67	32	80	1493
MILLWRIGHT	803	164	48	119	1723
MOTOR MECHANIC	2271	433	232	397	13912
MOTORCYCLE MECHANIC	68	18	12	11	52
PAINTER AND DECORATOR	119	29	27	39	951
PARTSMAN	564	120	68	137	2337
PLUMBER	1196	303	104	110	7672
POWER LINEMAN	241	50	9	37	894
POWER SYSTEM ELECTRICIAN	85	21	6	46	155
PRINTING & GRAPHIC ARTS CRAFT	229	37	56	19	230
RECREATION VEHICLE MECHANIC	55	21	11	25	117
REFRIGERATION & A.C. MECHANIC	277	59	30	46	801
ROOFER	90	38	19	8	354
SAWFILER	21	3	5	6	22
SHEETMETAL WORKER	517	104	66	55	3272
SPRINKLER SYSTEMS INSTALLER	86	29	15	11	153
STEAMFITTER-PIPEFITTER	519	129	59	35	1280
STEEL FABRICATOR	70	17	17	1	436
TILESETTER	44	4	5	3	155
TRANSPORT REFRIG. MECHANIC	16	7	2	5	41
WATER WELL DRILLER	34	9	4	8	174
WELDER	1769	435	196	424	10855
<b>TOTAL</b>	<b>21812</b>	<b>5445</b>	<b>2477</b>	<b>3816</b>	<b>96632</b>

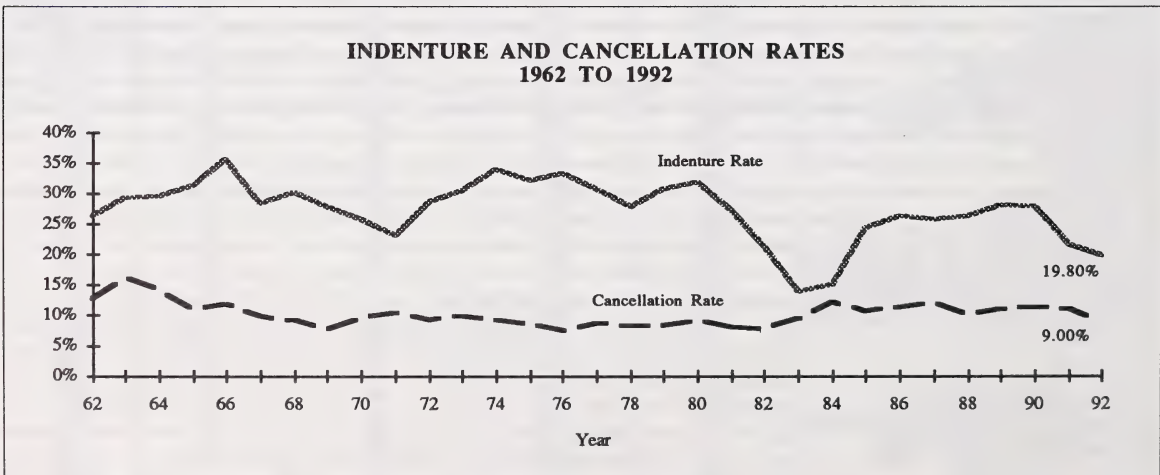


# CHART 1



School Attendance excludes Updating and Upgrading

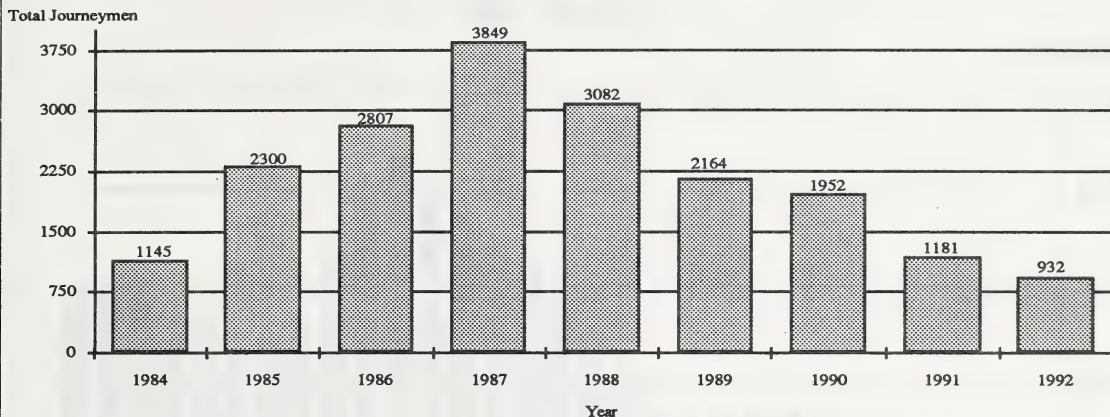
# CHART 2



Indenture Rate is the ratio of new apprentices in a year to the sum of the total registered apprentices at the beginning of the year and new apprentices in that year. Cancellation Rate is the ratio of cancelled apprenticeship contracts during the year to the sum of total registered apprentices at the beginning of the year and new apprentices in that year.

### CHART 3

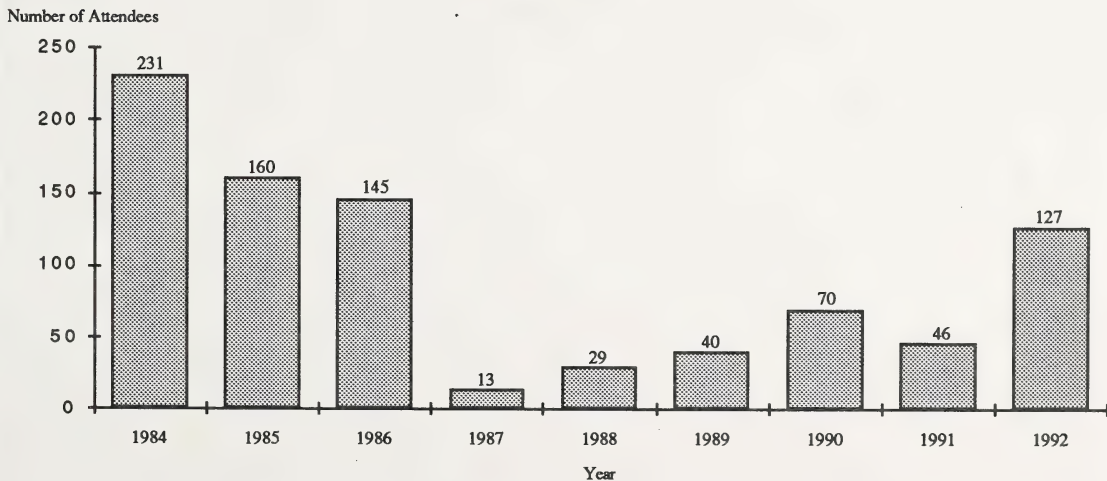
**JOURNEYMAN UPDATING COURSE ATTENDANCE  
1984 TO 1992**



Journeyman Updating courses enable certified tradespersons to gain knowledge and skills in areas of their trade affected by technological change.

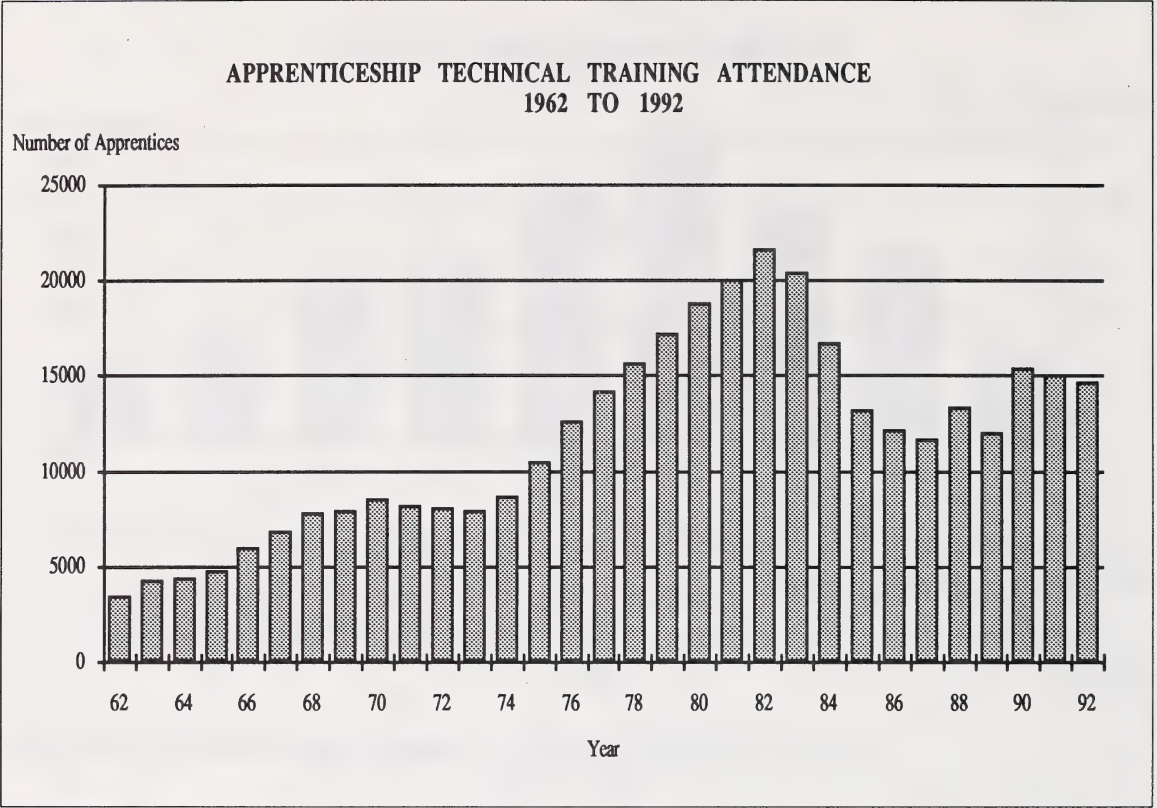
### CHART 4

**JOURNEYMAN UPGRADING COURSE ATTENDANCE  
1984 TO 1992**



Journeyman Updating courses provide technical training for tradespersons who are eligible for certification in a designated trade but have not successfully passed the Alberta journeyman exam.

CHART 5











NLC/BNC



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